

PACKING COMPONENTS

CONTAINER, AMMUNITION, PA156 -12944511
 SUPPORT ASSEMBLY -12953257
 FIBER TUBE ASSEMBLY -12630600
 SHEET, PLASTIC -9317920-4
 SEE NOTES 4,5
 CONTAINER, AMMUNITION, PA157 -12944510
 SUPPORT ASSEMBLY -12953257
 FIBER TUBE ASSEMBLY -9362799
 LABEL, STANAG -SEE TABLE ON SHEET 2

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS
 - A. MIL-STD-100
 - B. MIL-A-2550
 - C. ANSI Y14.5M-1982
2. REUSE OF ALL PACKAGING MATERIAL IS PERMISSIBLE AND RECOMMENDED WHEN CONSIDERED ECONOMICALLY FEASIBLE BY THE PROCURING ACTIVITY AND THE MATERIAL IS IN USEABLE CONDITION.
3. 2-EACH SEAL, METALLIC (B794342-4), SEAL, METALLIC, ALT (12013817) OR SEAL, METALLIC, ALT (HS51938-5) REQUIRED TO SECURE HASPS.
4. ONE PLASTIC SHEET REQUIRED FOR EVERY SIX (6) BOXES.
5. ALTERNATIVE MATERIAL -SHEET, PLASTIC - U.S. ARMY DRAWING 9317920-1, -2 OR -5.
6. ONE GRAPHICAL FIRING SCALE REQUIRED FOR EVERY THREE (3) BOXES.

PACKING INSTRUCTIONS

- P1- ALL MATERIAL SHALL BE THOROUGHLY DRY AT TIME OF PACKING. MAXIMUM MOISTURE CONTENT OF ALL DUNNAGE PRODUCTS SHALL BE NO MORE THAN 9%.
- P2- PLACE COVER END OF THREE (3) LOADED FIBER TUBE ASSEMBLIES INTO FIRST SUPPORT ASSEMBLY (FIG 1-STEP 1).
- P3- PLACE SECOND SUPPORT ASSEMBLY ON OPPOSITE END OF THE FIBER TUBE ASSEMBLIES (FIG 1-STEP 2).
- P4- ADD PLASTIC SHEET (U.S. ARMY DWG. 9317920-4) ALONG SIDES OF FIBER CONTAINERS, SEE NOTES 4 AND 5.
- P5- SLIDE CONTAINER BODY OVER STACK (FIG. 1-STEP 3) AND TURN LOADED CONTAINER UPRIGHT.
- P6- ADD GRAPHICAL FIRING SCALE ON TOP OF FOAM SUPPORT, SEE NOTE 6.
- P7- PLACE COVER ASSEMBLY (12576152) NOT SHOWN ON LOADED CONTAINER BODY IN P4 AND CLOSE LATCH ASSEMBLY. INSTALL WIRE SECURITY SEALS ONTO BOTH LATCHING MECHANISMS USING THE HOLES PROVIDED ON THE SIDE OF EACH LATCH ASSEMBLY (SEE NOTE 3).
- 8- PACKING OF LIGHT BOXES SHALL BE IN ACCORDANCE WITH DRAWING 9325874.
- 9- FOR MARKING INSTRUCTIONS SEE SHEET 2.

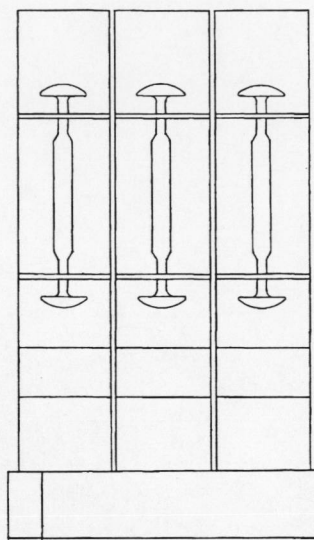


FIGURE 1 STEP 1
 PLACE CAP ENDS OF FIBER
 TUBES INTO CUSHIONING AS SHOWN

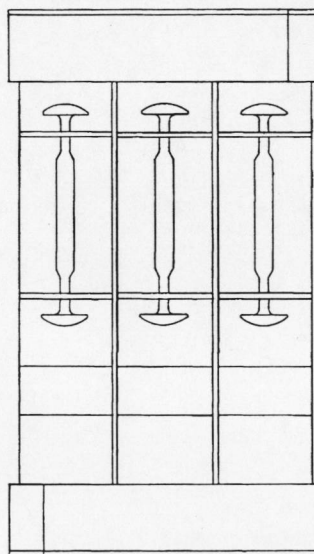


FIGURE 1 STEP 2
 PLACE SECOND INTERNAL CUSHION
 ON TOP OF THE FIBER TUBES

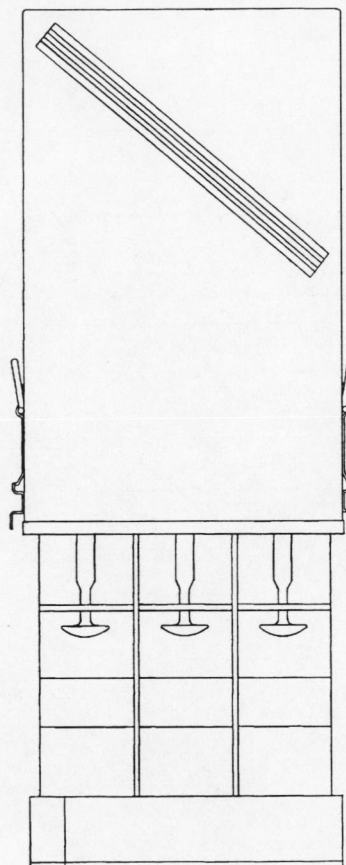


FIGURE 1 STEP 3
 SLIDE CONTAINER
 OVER TOP OF STACK

FIGURE 1
 PACKING INSTRUCTIONS

ESTIMATED WEIGHTS (POUNDS)							
PART	QTY	M819	M853A1	M879	M816	M821A1	M889A1
CONTAINER, METAL	1	18.0	18.0	15.8	18.0	15.8	15.8
ROUNDS	3	32.1	26.4	28.2	27.8	28.2	28.2
CONTAINER, FIBER	3	9.0	9.0	7.5	9.0	7.5	7.5
SUPPORT ASSEMBLY	2	0.5	0.5	0.5	0.5	0.5	0.5
TOTAL		59.6	53.9	52.0	55.3	52.0	52.0

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SMCAR FORM 69, 1 DEC 87(TEMP) REPLACES SMCAR FORM 69, 1 JUL 87(TEMP)
 WHICH MAY BE USED UNTIL EXHAUSTED

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	BY
		PRODUCT BASELINE	92-09-10	AJL
		ERR M2K2080		
A	NOR	M3K2035 930607	930830	W
B	NOR	M3J2006/930503 (ECP M3K2044/930812)	931130	W
C	NOR	M4K2028 / 940708	940803	W
D	NOR	M6J3007 / 960312	960426	DR
E	NOR	M6K9191 960411	960618	HJS
F	NOR	M6K9192 960604	960813	HJS
G	NOR	M6J3036 960702 (ECP M6K2035 960731) (ECP M6K2039 960731)	960823	RLV

G	G
SHEET 2	SHEET 1
REVISION STATUS OF SHEETS	

PART NO. 12944509

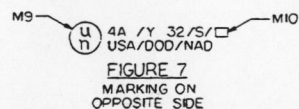
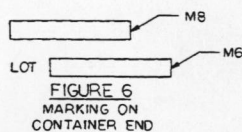
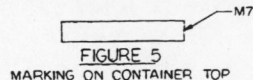
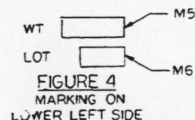
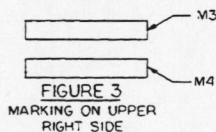
PMIC		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:		CONTRACT NUMBER		DESIGN ACTIVITY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PHOENIX ARIZONA, NEW JERSEY 07000-0000	
MECHANICAL PROPERTIES		2 PL. 0 3 PL. 0		CONTRACTOR		DRAWN BY 014	
M816		THIRD ANGLE PROJECTION		CHECKED		DATE 92-07-08	
M819, M853A1		THIRD ANGLE PROJECTION		DESIGNED BY U. Plan		TITLE PACKING AND MARKING FOR CONTAINER, AMMO, PA156 & PA157 FOR CARTRIDGE, 81 MM	
M879, M821A1		THIRD ANGLE PROJECTION		DESIGNED BY U. Plan		DATE 12944509	
M889A1		THIRD ANGLE PROJECTION		DESIGNED BY U. Plan		SCALE 1/2	
NEXT ASSY		USED ON		DESIGNED BY U. Plan		SHEET 1 OF 2	
APPLICATION		DATE		DESIGNED BY U. Plan			

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS:
 - A. DOD-STD-001000 (AR)
 - B. MIL-A-2550
 - C. ANSI Y14.5M-1982

2. MATERIAL: INK, STENCIL, OPAQUE, TYPE I, III OR IV, COLOR YELLOW NO. 33538, IN ACCORDANCE WITH A-A-208.
3. MATERIAL: ENAMEL, COLOR FOREST GREEN, NO. 34079, IN ACCORDANCE WITH TT-E-516.
4. MATERIAL: DRAWING 12977285.

- M1- PRIOR TO MARKING, RETOUCH EXTERIOR SURFACE OF CONTAINER WHERE NECESSARY USING ENAMEL (NOTE 3).
- M2- APPLY MARKINGS TO CONTAINER AS SHOWN. ALL MARKINGS SHALL BE 3/8" MINIMUM HEIGHT EXCEPT AS NOTED. APPLY MARKINGS WITH YELLOW INK (NOTE 2). MARKINGS SHALL BE IN ACCORDANCE WITH MIL-STD-129-I.
- M3- ENTER APPLICABLE NSN AND DODIC FROM COLUMNS C AND D OF TABLE.
- M4- ENTER APPLICABLE DESCRIPTIVE NOMENCLATURE FROM COLUMN A OF TABLE.
- M5- ENTER MAXIMUM PACKED OUT CONTAINER WEIGHT IN POUNDS, ROUNDED UP TO NEXT HIGHEST POUND.
- M6- ENTER AMMUNITION LOT NUMBER. LOT NUMBER ON CONTAINER SIDE ONLY UNDERLINED WITH A 1/8" ± 1/16" INCH THICK SOLID LINE. FOR AMMUNITION LOT NUMBERING SEE MIL-STD-1168.
- M7- ENTER PROPER SHIPPING NAME AND IDENTIFICATION NUMBER FROM COLUMN E OF TABLE.
- M8- ENTER DODIC FROM COLUMN D OF TABLE.
- M9- SYMBOL HEIGHT TO BE 2 ± 1/8 INCHES. "un" SHALL BE IN LOWER CASE LETTERS.
- M10- ENTER LAST TWO DIGITS OF YEAR PACKED.
- M11- CONTAINER SHALL BE BAR CODED IN ACCORDANCE WITH MIL-STD-129-I.
- M12- IN ADDITION, WITH PLASTIC SHEET SHALL BE ADDED UNDER NOMENCLATURE (AS SPACE ALLOWS) ON APPLICABLE BOX. SIZE OF LETTERS TO BE 7/16 INCH MINIMUM.
- M13- IN ADDITION, WITH FIRING SCALE SHALL BE ADDED UNDER NOMENCLATURE (AS SPACE ALLOWS) ON APPLICABLE BOX AS PER NOTE M12 ABOVE.
- M14- PLACE APPLICABLE STANAG LABEL FROM COLUMN F OF TABLE AS SHOWN.
- M15- APPLY ORANGE STRIP MARKING ACROSS AN EDGE AS SHOWN FOR M816 IR CARTRIDGE ONLY. APPLY THE STRIP MARKING ON TWO DIAGONAL EDGES AS SHOWN IN FIG. 8 USING MATERIAL PER NOTE 4. THE STRIP WIDTH SHALL BE 3/4 INCH.



MARKING ON TOP
SEE FIGURE 5

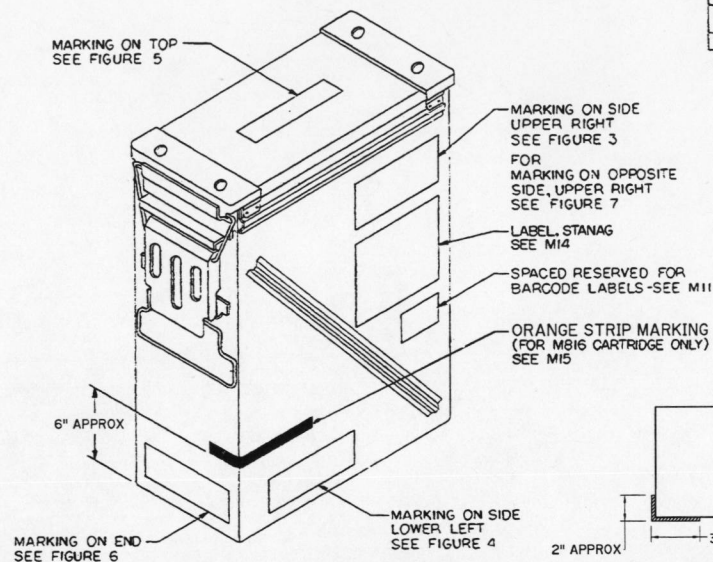


FIGURE 2
MARKING DIAGRAM

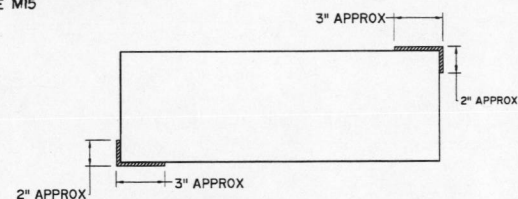


FIGURE 8
TOP VIEW FOR
ORANGE STRIP MARKING
ON TWO DIAGONAL LOCATIONS

TABLE						
CONTAINER	A	B	C	D	E	F
	DESCRIPTIVE NOMENCLATURE	CONTAINER, FIBER PACKED AND MARKED PART NUMBER	NATIONAL STOCK NUMBER (NSN)	DODIC	PROPER SHIPPING NAME AND IDENTIFICATION NUMBER	LABEL STANAG
PA157	3-CARTRIDGE, 81MM: SMOKE, RP, M819 W/FUZE M772 FOR MORTAR M252	9362799	1315-01-353-7620	C870	AMMUNITION, SMOKE UN 0015	12972290
	3-CARTRIDGE, 81MM: ILLUM, M853A1 W/FUZE M772 FOR MORTAR M252	9362799	1315-01-353-7617	C871	AMMUNITION, ILLUMINATING UN 0254	12972292
	3-CARTRIDGE, 81MM: INFRARED, ILLUMINATING, M816 W/FUZE M772 FOR MORTAR M252	9362799	1315-01-379-1026	C484	AMMUNITION, ILLUMINATING UN 0171	12972279
PA156	3-CARTRIDGE, 81MM: PRACTICE M879 W/FUZE M751 FOR MORTAR M252	12630600	1315-01-354-4916	C875	AMMUNITION, PRACTICE UN 0362	12972291
	3-CARTRIDGE, 81MM: HE, M821A1 W/FUZE, MO, M734 FOR MORTAR, M252	12630600	1315-01-353-7618	C868	CARTRIDGES FOR WEAPONS UN0006	12972356
	3-CARTRIDGE, 81MM: HE, M889A1 W/FUZE, PD, M935 FOR MORTAR, M252	12630600	1315-01-353-7619	C869	CARTRIDGES FOR WEAPONS UN0006	12972357

PART NO. 12944509

PMIC		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PL. ± .005 3 PL. ± .005		CONTRACT NUMBER	
MECHANICAL PROPERTIES		THIRD ANGLE PROJECTION		CONTRACTOR	
TS		DRAWN BY		DATE	
EL		CHECKED BY		DATE	
EL		DESIGNED BY		DATE	
EL		APPROVED BY		DATE	
EL		NEXT ASSY USED ON		DATE	
EL		APPLICATION		DATE	
U.S. ARMY AMMUNITION RESEARCH, DEVELOPMENT AND ENGINEERING CENTER FORT MONMOUTH, NEW JERSEY 07060-0000 PACKING AND MARKING FOR CONTAINER AMMO, PA156 & PA157 FOR CARTRIDGE, 81MM SIZE F 19200 SCALE 1:1 SHEET 2				U.S. ARMY AMMUNITION RESEARCH, DEVELOPMENT AND ENGINEERING CENTER FORT MONMOUTH, NEW JERSEY 07060-0000 PART NO. 12944509 SHEET 2	

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